



**Brunel**  
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# Public Engagement Fund

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**Coastal Flooding Hazard Awareness  
Through Experimental Workshops**

## Dr Mohammad Heidarzadeh

### - Coastal Flooding Hazard Awareness Through Experimental Workshops

This project aims at increasing public knowledge, specifically high school students, about the coastal flooding by describing the mechanism of ocean flooding through a simple experimental facility. Coastal flooding is an important natural environmental hazard in UK. Especially, this has been more important in recent years as the climate change is bringing more frequent and severe storms to UK.

For instance, in the period from December 2013 to April 2014, south coast of UK experienced 22 storms. For this project, a specific lab facility will be designed which will be used for public lectures. The lab facility is a wave flume with length, width and depth of 150, 35, and 50 cm.

This lab facility will show how the waves are generated and how they flood the coastal areas using a simple and easy-understandable mechanism. The lab practical lecture will be integrated into a half-day workshop which includes a public lecture with questions and answers followed by lab experiment.

